

## NOISE SUPPRESSION FOR NETWORK TRANSCEIVERS

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ABSTRACT OF THE DISCLOSURE

A network interface system having a front module and a rear transition module is disclosed. The rear transition module is specifically designed to allow active components of the network interface system to be placed on the front module, so that only passive components are placed on the rear transition module. Thus, the mean time between failure of the rear transition module is increased. Specifically, one embodiment of the present invention includes series resistors between the transmit magnetics of the rear transition module and a rear transition connector. The series resistors suppress noise and reflection on the transmit lines.